

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/13354

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H01F38/18 A61B6/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01F A61B H02J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 04, 30 April 1997 (1997-04-30) -& JP 08 336521 A (HITACHI MEDICAL CORP), 24 December 1996 (1996-12-24) abstract; figures 1-6 ---	1-6, 8, 9
Y	DE 39 23 525 A (ELSCINT LTD) 22 March 1990 (1990-03-22) cited in the application abstract column 2, line 54 -column 3, line 29; figure 1 column 4, line 68 -column 5, line 37; figures 2,3 --- -/-	1-3, 5-7

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\*&\* document member of the same patent family

Date of the actual completion of the international search

12 May 2004

Date of mailing of the international search report

07/06/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Reder, M

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/13354

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 196 49 682 A (SCHLEIFRING & APPARATEBAU GMBH) 4 June 1998 (1998-06-04) abstract column 1, line 1-51 column 3, line 63 -column 4, line 15 column 6, line 12-22; figure 3 ---	1-3,5-9
Y	US 5 608 771 A (STEIGERWALD ROBERT L ET AL) 4 March 1997 (1997-03-04) cited in the application abstract column 2, line 23-40; figure 1 column 3, line 21 -column 4, line 9; figures 6,7 ---	1,2,6,8, 9
Y	US 2001/008552 A1 (HARADA SANA E ET AL) 19 July 2001 (2001-07-19) abstract paragraphs '0031!-'0038!; figures 1,2,10 -----	1,2,7

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/13354

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 08336521	A	24-12-1996	NONE	
DE 3923525	A	22-03-1990	US 4912735 A DE 3923525 A1 NL 8901855 A , B ,	27-03-1990 22-03-1990 16-02-1990
DE 19649682	A	04-06-1998	DE 19649682 A1	04-06-1998
US 5608771	A	04-03-1997	NONE	
US 2001008552	A1	19-07-2001	JP 2001269330 A	02-10-2001

Internationales Aktenzeichen  
PCT/EP 03/13354

Formblatt PCT/ISA/210 (Blatt 2) (Januar 2004)

## INTERNATIONALER RECHERCHENBERICHT

Internationales Aktenzeichen

PCT/EP 03/13354

C.(Fortsetzung) ALS WESENTLICH ANGESEHENE UNTERLAGEN

Kategorie*	Bezeichnung der Veröffentlichung, soweit erforderlich unter Angabe der in Betracht kommenden Teile	Betr. Anspruch Nr.
Y	DE 196 49 682 A (SCHLEIFRING & APPARATEBAU GMBH) 4. Juni 1998 (1998-06-04) Zusammenfassung Spalte 1, Zeile 1-51 Spalte 3, Zeile 63 -Spalte 4, Zeile 15 Spalte 6, Zeile 12-22; Abbildung 3 -----	1-3,5-9
Y	US 5 608 771 A (STEIGERWALD ROBERT L ET AL) 4. März 1997 (1997-03-04) in der Anmeldung erwähnt Zusammenfassung Spalte 2, Zeile 23-40; Abbildung 1 Spalte 3, Zeile 21 -Spalte 4, Zeile 9; Abbildungen 6,7 -----	1,2,6,8, 9
Y	US 2001/008552 A1 (HARADA SANA E ET AL) 19. Juli 2001 (2001-07-19) Zusammenfassung Absätze '0031!-'0038!; Abbildungen 1,2,10 -----	1,2,7

# INTERNATIONALER RECHERCHENBERICHT

Angaben zu Veröffentlichungen, die zur selben Patentfamilie gehören

Internationales Aktenzeichen

PCT/EP 03/13354

Im Recherchenbericht angeführtes Patentdokument		Datum der Veröffentlichung	Mitglied(er) der Patentfamilie		Datum der Veröffentlichung
JP 08336521	A	24-12-1996	KEINE		
DE 3923525	A	22-03-1990	US	4912735 A	27-03-1990
			DE	3923525 A1	22-03-1990
			NL	8901855 A ,B,	16-02-1990
DE 19649682	A	04-06-1998	DE	19649682 A1	04-06-1998
US 5608771	A	04-03-1997	KEINE		
US 2001008552	A1	19-07-2001	JP	2001269330 A	02-10-2001